

# Clean Cities Presentation

May 22, 2003

by Ken McCoy

Antelope Valley Schools  
Transportation Agency

# Antelope Valley Schools Transportation Agency

## Grant History

| Date    | Award                     | Grant Agency      | Quantity | Price Each | Total Price  |
|---------|---------------------------|-------------------|----------|------------|--------------|
| 2/13/93 | Methanol Buses            | Calif Energy Comm | 16       | 151,758.00 | 2,428,128.00 |
|         | CNG                       | Calif Energy Comm | 16       | 127,226.00 | 2,035,616.00 |
|         | Advanced Diesel           | Calif Energy Comm | 8        | 89,638.00  | 717,104.00   |
| 5/30/93 | Methanol Fueling Facility | South Coast AQMD  | 1        | 52,680.00  | 52,680.00    |
| 6/30/93 | CNG Slow Fill Facility    | So Cal Gas        | 1        | 300,000.00 | 300,000.00   |
| 6/30/94 | CNG Fast Fill Facility    | So Cal Gas        | 1        | 100,000.00 | 100,000.00   |
|         | CEC Fuel Grant Meth/CNG   | Calif Energy Comm | 1        | 20,000.00  | 20,000.00    |
| 7/27/94 | Electric Bus              | South Coast AQMD  | 1        | 260,482.00 | 260,482.00   |
| 9/1/94  | EPTI Pulse Charger        | So Cal Edison     | 1        | 20,000.00  | 20,000.00    |

# Grant History (continued)

| Date     | Award                      | Grant Agency          | Quantity | Price Each      | Total Price        |
|----------|----------------------------|-----------------------|----------|-----------------|--------------------|
| 3/29/95  | John Deere Conversion      | Blue Bird/John Deere  | 1        | 55,000.00       | 55,000.00          |
| 4/21/95  | Inerpro Charger            | Inerpro               | 1        | 8,000.00        | 8,000.00           |
| 5/5/95   | CNG Buses                  | Calif Energy Comm     | 12       | 101,100.00      | 1,213,200.00       |
|          | Electric Bus               | Calif Energy Comm     | 1        | 293,814.00      | 293,814.00         |
| 6/1/95   | Charge Facility            | SCAQMD/Lancaster City | 1        | 30,000.00       | 30,000.00<br>(EST) |
| 8/1/97   | Transit & Special Ed Buses | Calif Dept of Ed      | 32       | Partial Funding | 814,200.00         |
| 12/20/01 | Transit CNG Buses          | Calif Energy Comm     | 5        | 131,900.00      | 538,000.00         |
| TOTAL    |                            |                       |          |                 | \$8,886,224.00     |

# Natural Gas Pump Price History at SoCalGas Stations

| <u>Period</u>           | Natural Gas<br>Commodity Price<br>(cents/therm) |
|-------------------------|---|
| Aug - Dec 96            | 17.440  |
| <b>January 97</b>       | <b>33.774</b>                                   |
| February 97             | 23.411  |
| March 97                | 22.683  |
| April 97                | 10.710  |
| May 97                  | 19.142  |
| June 97                 | 20.641  |
| July 97                 | 17.234  |
| August 97               | 20.116  |
| September 97            | 26.646  |
| October 97              | 33.000  |
| November 97             | 34.470  |
| December 97             | 25.534  |
| <b>January 98 (REV)</b> | <b>24.123</b>                                   |
| February 98             | 22.393  |
| March 98                | 26.085  |
| April 98                | 23.419  |
| May 98                  | 21.688  |
| June 98                 | 17.758  |
| July 98                 | 21.046  |

# Natural Gas Pump Price History at SoCalGas Stations

## (continued)

| <u>Period</u>     | Natural Gas<br>Commodity Price<br>(cents/therm) |
|-------------------|---|
| August 98         | 22.221  |
| September 98      | 17.602  |
| October 98        | 19.205  |
| November 98       | 21.722  |
| December 98       | 21.647  |
| <b>January 99</b> | <b>20.415</b>                                   |
| February 99       | 20.821  |
| March 99          | 18.358  |
| April 99          | 17.101  |
| May 99            | 16.297  |
| June 99           | 18.798  |
| July 99           | 22.743  |
| August 99         | 24.681  |
| September 99      | 28.455  |
| October 99        | 26.109  |
| November 99       | 29.982  |
| December 99       | 24.054  |
| <b>January 00</b> | <b>25.487</b>                                   |
| February 00       | 27.084  |
| March 00          | 26.844  |
| April 00          | 31.892  |

# **Natural Gas Pump Price History at SoCalGas Stations**

## **(continued)**

| <b><u>Period</u></b> | <b>Natural Gas<br/>Commodity Price<br/>(cents/therm)</b> |
|----------------------|--|
| <b>May 00</b>        | <b>32.723</b>  |
| <b>June 00</b>       | <b>41.307</b>  |
| <b>July 00</b>       | <b>46.102</b>  |
| <b>August 00</b>     | <b>39.267</b>  |
| <b>September 00</b>  | <b>56.506</b>  |
| <b>October 00</b>    | <b>57.038</b>  |
| <b>November 00</b>   | <b>56.311</b>  |
| <b>December 00</b>   | <b>65.307</b>  |
| <b>January 01</b>    | <b>65.206</b>  |
| <b>February 01</b>   | <b>66.215</b>  |
| <b>March 01</b>      | <b>74.043</b>  |
| <b>April 01</b>      | <b>69.401</b>  |
| <b>May 01</b>        | <b>62.409</b>  |
| <b>June 01</b>       | <b>52.120</b>  |
| <b>July 01</b>       | <b>27.004</b>  |
| <b>August 01</b>     | <b>28.501</b>  |
| <b>September 01</b>  | <b>23.217</b>  |
| <b>October 01</b>    | <b>15.909</b>  |
| <b>November 01</b>   | <b>27.703</b>  |
| <b>December 01</b>   | <b>23.868</b>  |
| <b>January 02</b>    | <b>26.509</b>  |

# Natural Gas Pump Price History at SoCalGas Stations

## (continued)

| <u>Period</u>     | Natural Gas<br>Commodity Price<br>(cents/therm) |
|-------------------|---|
| February 02       | 18.159  |
| March 02          | 19.536  |
| April 02          | 33.759  |
| May 02            | 30.903  |
| June 02           | 25.191  |
| July 02           | 30.087  |
| Aug 02            | 28.455  |
| Sep 02            | 27.843  |
| Oct 02            | 29.396  |
| Nov 02            | 38.758  |
| Dec 02            | 34.684  |
| <b>January 03</b> | <b>44.014</b>                                   |
| February 03       | 45.997  |
| March 03          | 63.865  |
| April 03          | 44.527  |

# Antelope Valley Schools Transportation Agency

## CNG Usage for 7/00 thru 6/01

| Bus No | Year | Make     | J Deere<br>Engine | Annual<br>Mileage |
|--------|------|----------|-------------------|-------------------|
| 01-92  | 92   | Bluebird | 8.1               | 12006             |
| 01-96  | 96   | Bluebird | 8.1               | 22787             |
| 01-99  | 99   | Bluebird | 8.1               | 23998             |
| 02-92  | 92   | Bluebird | 6.8               | 15637             |
| 02-96  | 96   | Bluebird | 8.1               | 19258             |
| 02-99  | 99   | Bluebird | 8.1               | 25918             |
| 03-96  | 96   | Bluebird | 8.1               | 17963             |
| 04-96  | 96   | Bluebird | 8.1               | 19924             |
| 05-96  | 96   | Bluebird | 8.1               | 28679             |
| 06-96  | 96   | Bluebird | 8.1               | 19934             |
| 07-96  | 96   | Bluebird | 8.1               | 17956             |
| 08-96  | 96   | Bluebird | 8.1               | 15269             |
| 09-96  | 96   | Bluebird | 8.1               | 18845             |
| 10-96  | 96   | Bluebird | 8.1               | 20432             |
| 11-96  | 96   | Bluebird | 8.1               | 14473             |
| 12-96  | 96   | Bluebird | 8.1               | 29479             |
| 13-96  | 96   | Bluebird | 8.1               | 16646             |
| 14-96  | 96   | Bluebird | 8.1               | 13949             |
| 15-96  | 96   | Bluebird | 8.1               | 18847             |

**ANNUAL MILES**

**372000**



# Antelope Valley Schools Transportation Agency

## CNG Usage for 7/00 thru 6/01 (Continued)

|        | <b>Total<br/>Therms</b> | <b>Total<br/>Cost</b> | <b>Agency<br/>Cost</b> | <b>End User<br/>Cost</b> | <b>Cost Per<br/>Therm</b> | <b>Agency<br/>Therms</b> |
|--------|-------------------------|-----------------------|------------------------|--------------------------|---------------------------|--------------------------|
| Jul-00 | 5963                    | 3498                  | 1862                   | 1636                     | 0.5868                    | 3174.1                   |
| Aug-00 | 8762                    | 4509                  | 2916                   | 1593                     | 0.5146                    | 5666.4                   |
| Sep-00 | 8483                    | 5828                  | 3637                   | 2190                     | 0.6870                    | 5293.9                   |
| Oct-00 | 11842                   | 8183                  | 5805                   | 2378                     | 0.6910                    | 8400.7                   |
| Nov-00 | 8104                    | 5551                  | 3547                   | 2004                     | 0.6850                    | 5178.3                   |
| Dec-00 | 6289                    | 4896                  | 2648                   | 2248                     | 0.7785                    | 3401.4                   |
| Jan-01 | 9031                    | 7018                  | 4524                   | 2494                     | 0.7771                    | 5821.6                   |
| Feb-01 | 8011                    | 6292                  | 4644                   | 1648                     | 0.7854                    | 5912.8                   |
| Mar-01 | 9572                    | 8267                  | 5950                   | 2317                     | 0.8637                    | 6889.2                   |
| Apr-01 | 8911                    | 7295                  | 4842                   | 2454                     | 0.8187                    | 5914.6                   |
| May-01 | 10422                   | 7756                  | 5389                   | 2367                     | 0.7442                    | 7241.4                   |
| Jun-01 | 7320                    | 4749                  | 2498                   | 2251                     | 0.6488                    | 3850.4                   |
|        | <b>102710</b>           | <b>73842</b>          | <b>48262</b>           | <b>25580</b>             | <b>0.7189</b>             | <b>67129.7</b>           |

**CNG Fuel Cost**                      \$ 48,262.00  
**CNG Maintenance 00/01**        19,480.00  
**Total Therms**                        102,710.00  
**Total Fuel Cost**                    73,842.00  
**Agency Therms**                    67,129.00

**Total Miles**                                372,000.00  
**Agency Fuel Cost Per Mil**        0.1297  
**Agency Stat Cost Per Mil**        0.0524  
**Agency Miles Per Therm**        5.54